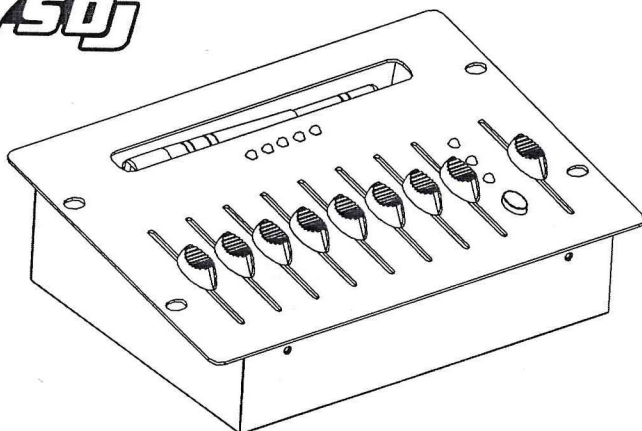


DMX 512 CONTROLLER SERIES



□ **FASTER-24PB** →

Version:3.1 10 NOV 2020

USER MANUAL

This product manual contains important information about the safe installation and use of this product. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

1. General instruction

We wish to express our gratitude for your purchase of our digital product. You now own a professional 24-channel DMX controller with many useful functions. The Product is a compact and portable device and it has optional power supply -AC 88v ~ 256v and a rechargeable battery pack. The unit is convenient to carry and easy to operate for users.

2. Safety rules

Before operating, please read the User's Manual thoroughly. That would be necessary and helpful for you to use the unit more available and effectively. The following rules give important information regarding safety during use and maintenance:

Keep the unit dry, do not expose it to water or high levels of humid. Don't try to dismantle or modify the product without any authorized permission. Keep the unit away from magnetic fields when operating. Do not make any inflammable liquids or metal objects enter the unit. Handle this product with great care, any strong shocks or vibration may result in malfunction.

This unit must only be operated by adults, do not allow children to tamper or play with it.

Do not operate this unit if the ambient temperature exceeds 45°C.

Should any liquid be spilled on the unit, disconnect the power supply to the product immediately.

Should the unit not be used for a long period of time, please take out the battery.

3. Notice Information

When unpacking the unit, please make sure that Product has not suffered any damage during transportation. Should any damage have occurred, please do not use it and contact the dealer/retailer immediately.

We would not be responsible for any resulting damage due to your inobservance or improper doings upon the unit. Never allow nonauthorized or unqualified personnel with any kind of intervention to the product.

Specifications and improvements in this design of this product and this manual are subject to change without any prior written notice!

4. Technical Specifications

Power Input: AC88v ~ 256v, 50 ~ 60Hz

DMX Output: 3 PIN female DMX connector

Battery type: 18650 7.4V 2600MAH rechargeable battery pack.

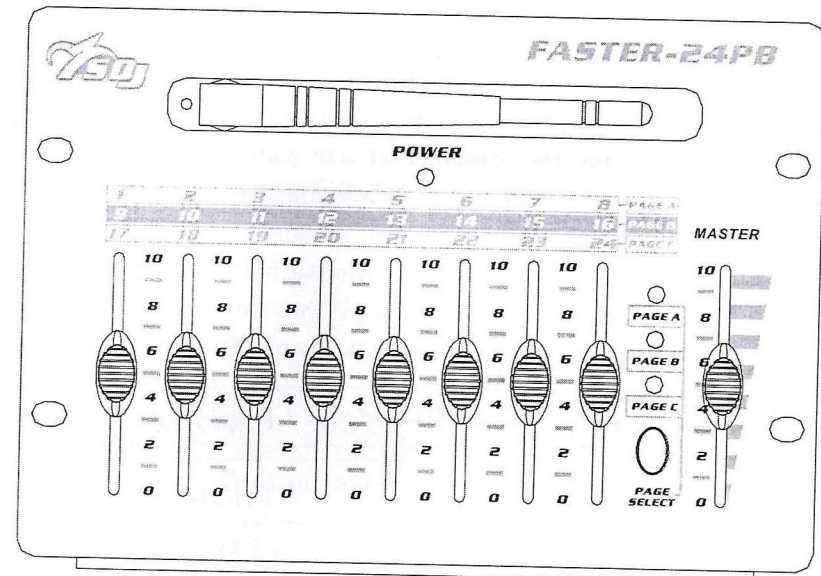
Dimensions: 232 x 163 x 67 mm

Weight : About 1.25kg

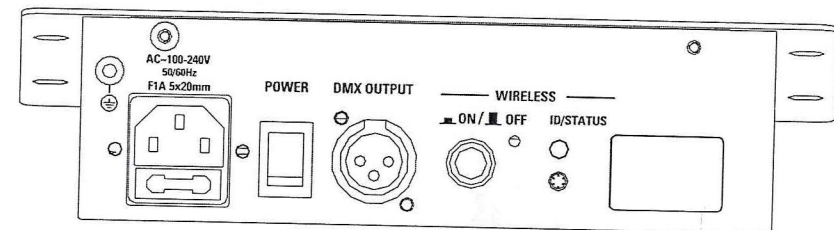
5. Product view

Front panel view

When charging, the below five LEDs successively flash from left (red) to right (green) means charging; until 100% right (green) LED long bright, means electrical full; as battery electricity was consumed, the below five LEDs successively long bright from right (green) to left (red), means consuming battery electricity; when 0% left (red) LED light out, means electricity out.



Rear panel view



6. Wireless Feature

- * Band: 2.402GHz – 2.480GHz, ISM, 79 channels
- * Spread spectrum: FHSS, 1100 hops / sec
- * Modulation: GFSK
- * Maximum Transmit Power: 23dBm
- * Receiver Sensitivity: -94dBm

7. Wireless operating mode

Wireless transceiver has two operating modes: set-up mode and use mode

5.1, Set-up mode: Press and hold the ID button before you power up. When you see status indicator turns into the white light, release the button to enter the Set-up mode. In this mode you can select different transmission protocols. Each time you press the button, you would see the status indicator changes in follow order: red, green, blue and yellow. In the Set-up mode, different colors mean different communication protocols which are listed on the following table. Choose one of the protocols and press and hold the button (> 1S), when you see the white light, release it to enter the use mode. Note: The wireless transceiver will remember the chosen protocol even after you disconnecting the power supply. There is no need for repeated setting.

Color	Protocol
Red	WIDMX
Green	W-DMX Receive (The Receive function is not available on the console!)
Blue	W-DMX G3 Transmit
Yellow	GZ Protocol
Purple	W-DMX G4 Transmit

5.2, Use mode:

- a) Powered up and enter the use mode;
- b) If it is in set up mode, press and hold the button (> 1S) until you see the white light, then release it to enter the use mode.

8. Wireless indicator status description:

Protocol	Action	Status Description
WIDMX or GZ Protocol	Red, Green, Blue, Yellow, Cyan, Purple (White)	6 / 7 Different Wireless Groups
	Red Flashing	Transmitting DMX
	Green Flashing	Receiving DMX Signal
W-DMX Receiver	White	Not connected to transmitter
	Red	Deleting all Receivers' Connection
	Red(Fast-Flash)	Loss of connected transmitter
	Green(Fast-Flash)	Connecting with the Transmit(S)
	Green(Slow-Flash)	No DMX Signal Input
	Green	Transmitting DMX
W-DMX Transmit	Red	Deleting all Receivers' Connection
	Blue(Fast-Flash)	Connecting with the Receiver(R)
	Blue(Slow-Flash)	No DMX Signal Input
	Blue	Transmitting DMX

Note:

- a) Flashing: > 20ms ON + <180ms OFF (Depending on the refresh rate of the DMX signal)
- b) Fast-Flash: 100ms ON + 100ms OFF
- c) Slow-Flash: 900ms ON + 100ms OFF

WIDMX mode supports 6 groups(FHSS, 1100 hops / sec)

- 1: RED ----- Red
- 2: GREEN ----- Green
- 3: BLUE ----- Blue
- 4: RED + GREED ----- Yellow
- 5: GREEN + BLUE ----- Cyan
- 6: RED + BLUE ----- Purple

GZ protocol supports 7 groups(Frequency Agile)

- 1: RED ----- Red
- 2: GREEN ----- Green
- 3: RED + GREED ----- Yellow
- 4: BLUE ----- Blue
- 5: RED + BLUE ----- Purple
- 6: GREEN + BLUE ----- Cyan
- 7: RED+GREED+BLUE ----- White

9.Wireless Restore factory settings

By pressing and holding the button (> 1S), When see the BLUE flashing, Then release the button, the devices would flash "RED-GREEN-BLUE" quickly, and then turns red. It indicates that the device has restored to factory settings successfully. The default group is red.

10.Wireless Connection and Delete Connection

In the W-DMX G3 or G4 Transmit Mode, by pressing the button, the transmitter can be connected to all powered but not connected receivers within the coverage area; Press and hold (> 3S) the transmitter's button until the indicator turns red. The device will disconnect with all receivers within the coverage range.

11.Operating Instructions

Power supply:

This product provides optional power supply -Ac88v ~ 256v power cord and rechargeable battery(18650 7.4V 2600MAH). When finish using the unit, please turn off the power for saving more energy.

Master slider:

Master slider can adjust the values of 1~24 channels, and it provides total-control towards overall DMX output.

Faders (1~8) :

These eight faders provide direct control over the corresponding dimmers, and thus the intensity for any connected lumina

Page Select --Page A & B & C:

This button allow you to select Page A (1-8 channels) and Page B (9-16channels) and Page C (17-24channels) to extend total control channels be 24 channels